

Abstract

A surface acoustic wave (SAW) filter includes an input terminal, an output terminal, a series resonator provided between the input terminal and the output terminal, first and second parallel resonators having respective 5 one ports connected to respective ports of the series resonator, respectively, first and second nodes connected to respective other ports of the first and second parallel resonators, respectively, first and second inductance elements having respective one ends connected to the first and second nodes, respectively, a third node connected to respective other ends of the first and 10 second inductance elements, a third inductance element having one end connected to the first node, a grounding terminal connected to other end of the third inductance element, and a capacitance element connected between the first and second nodes. The SAW filter has a large attenuation amount at a lower side of a pass band of the filter, thus having sufficient properties.